

10/037,243

Lmm 9/24/2007

EAST Search History

S20	0	S19 and @ad<"20020104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/12 17:07
S21	2	"20050267011"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/12 17:47
S22	2	"20050196864"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/12 17:48
S23	7466	((protein or polypeptide or peptide) near3 (solubility or folding)) with (improve or improved or enhanced or enhance or increase or increased)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:29
S24	7437	(protein or polypeptide or peptide) near5 ((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:33
S25	6749	(protein or polypeptide or peptide) near3 ((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:49
S26	286	S25 and ((peptide or polypeptide near3 (extension or tail))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:35
S27	7	S25 same ((peptide or polypeptide near3 (extension or tail))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:32
S28	0	S27 and @ad<"20020104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:35
S29	2	peptide adj T7A	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:32

EAST Search History

S30	83	(protein or polypeptide or peptide) near5 ((insolubility or inclusion)near3 (decrease or decreased or reduced or reduce lower))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:35
S31	83	(protein or polypeptide or peptide) near5 ((insolubility or inclusion)near3 (decrease or decreased or reduced or reduce or lower))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:35
S32	5	S31 and ((peptide or polypeptide)near3 (extension or tail))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:35
S33	2	S32 and @ad<"20020104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:47
S34	6	t7 adj 10b	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:26
S35	4	t7 adj 10b adj protein	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:47
S36	1	S35 and @ad<"20020104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:28
S37	1	S35 and ((protein or polypeptide or peptide) near3 ((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 13:53
S38	2	"6737234".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:07
S39	0	S38 and ((protein or polypeptide or peptide) near3 ((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:02

EAST Search History

S40	1	S38 and (((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:08
S41	0	S39 and ((polypeptide or peptide or (carboxy\$2 adj terminal)) near3 extension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:03
S42	0	S39 and (((polypeptide or peptide or (carboxy\$2 adj terminal)) near3 extension) or extension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:04
S43	1	S40 and (((polypeptide or peptide or (carboxy\$2 adj terminal)) near3 extension) or extension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:12
S44	2	"6395875".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:11
S45	1	S44 and (((polypeptide or peptide or (carboxy\$2 adj terminal)) near3 extension) or extension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:22
S46	1	S45 and (((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:12
S47	2	"7157266".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:12
S48	1	S47 and (((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:28
S49	1	S48 and (((polypeptide or peptide or (carboxy\$2 adj terminal)) near3 extension) or extension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:12

EAST Search History

S50	3173	((carboxy\$2 adj terminal) or c-terminal) near3 extension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:22
S51	73	t7 near3 (10b or 10A)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:26
S52	3	S51 and (((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:29
S53	1	S52 and @ad<"20020104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:29
S54	550	S50 and (((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:29
S55	28	S50 same(((solubility or folding)near3 (improve or improved or enhanced or enhance or increase or increased)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:29
S56	11	S55 and @ad<"20020104"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/24 14:29

Dialog 10/037.243
Lmm 9/25/2007

? d s

Set	Items	Description
S1	1651	S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (3N) ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR INCREASE OR INCREASED))
S2	4	S S1 AND ((PEPTIDE OR POLYPEPTIDE OR (CARBOXY\$2 ADJ TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL))
S3	4	S S1 AND ((PEPTIDE OR POLYPEPTIDE OR (CARBOXY\$2 (W) TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL))
S4	4	S S1 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL))
S5	2	RD (unique items)
S6	25	S (PEPTIDE ADJ T7A) OR (T7 (2N) (10A OR 10B) (2N) PROTEIN)
S7	26	S (PEPTIDE (W) T7A) OR (T7 (2N) (10A OR 10B) (2N) PROTEIN)
S8	12	RD (unique items)
S9	0	S S8 AND ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR INCREASE OR INCREASED))
S10	1	S S8 AND ((SOLUBILITY OR FOLDING))
S11	129	S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE LOWER))
S12	161	S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER))
S13	0	S S12 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL))
S14	0	S S 7 AND ((PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER)))
S15	0	S S7 AND ((PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER)))
S16	8925	S ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL))
S17	11	S S16 AND ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR INCREASE OR INCREASED))
S18	4	RD (unique items)

?

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[File 369] **New Scientist** 1994-2007/Aug W2

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[File 370] **Science** 1996-1999/Jul W3

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**File 370: This file is closed (no updates). Use File 47 for more current information.*

[File 391] **Beilstein Database - Reactions** 2007/Q2

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[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec

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[File 467] **ExtraMED(tm)** 2000/Dec

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? s (protein or polypeptide or peptide) (3N) ((solubility or folding) (3N) (improve or improved or enhanced or enhance or increase or increased))

Processing

Processing

Processing

Processing

10042663	PROTEIN
464759	POLYPEPTIDE
1864329	PEPTIDE
321887	SOLUBILITY
224550	FOLDING
1397956	IMPROVE
2108784	IMPROVED
2075046	ENHANCED
710693	ENHANCE
6134719	INCREASE
8691923	INCREASED

S1 1651 S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (3N) ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR INCREASE OR INCREASED))

? s s1 and ((peptide or polypeptide or (carboxy\$2 adj terminal) or c-terminal) (3n) (extension or tail))

1651	S1
1864329	PEPTIDE
464759	POLYPEPTIDE
0	CARBOXY\$2 ADJ TERMINAL
8200	C-TERMINAL
673097	EXTENSION
324361	TAIL

3915 (((PEPTIDE OR POLYPEPTIDE) OR CARBOXY\$2 ADJ TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL)

S2 4 S S1 AND ((PEPTIDE OR POLYPEPTIDE OR (CARBOXY\$2 ADJ TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL))

? S S1 AND ((PEPTIDE OR POLYPEPTIDE OR (CARBOXY\$2 (w) TERMINAL) OR C-TERMINAL) (3N)

(EXTENSION OR TAIL))

1651 S1
1864329 PEPTIDE
464759 POLYPEPTIDE
0 CARBOXY\$2
1558562 TERMINAL
0 CARBOXY\$2 (W) TERMINAL
8200 C-TERMINAL
673097 EXTENSION
324361 TAIL
3915 (((PEPTIDE OR POLYPEPTIDE) OR CARBOXY\$2 (W) TERMINAL) OR
C-TERMINAL) (3N) (EXTENSION OR TAIL)
S3 4 S S1 AND ((PEPTIDE OR POLYPEPTIDE OR (CARBOXY\$2 (W) TERMINAL) OR
C-TERMINAL) (3N) (EXTENSION OR TAIL))

? S S1 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY or carboxyl) (W) TERMINAL) OR
C-TERMINAL) (3N) (EXTENSION OR TAIL))

1651 S1
1864329 PEPTIDE
464759 POLYPEPTIDE
293413 CARBOXY
161811 CARBOXYL
1558562 TERMINAL
148550 (CARBOXY OR CARBOXYL) (W) TERMINAL
8200 C-TERMINAL
673097 EXTENSION
324361 TAIL
8925 (((PEPTIDE OR POLYPEPTIDE) OR (CARBOXY OR CARBOXYL) (W) TERMINAL) OR
C-TERMINAL) (3N) (EXTENSION OR TAIL)
S4 4 S S1 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL)
OR C-TERMINAL) (3N) (EXTENSION OR TAIL))

? rd

>>>W: Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S5 2 RD (UNIQUE ITEMS)

? t s5/medium/all

5/3/1 (Item 1 from file: 5) [Links](#)

Fulltext available through: [custom link](#) [USPTO Full Text Retrieval Options](#)

Biosis Previews(R)

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18652161 Biosis No.: 200510346661

Stabilizing peptide fusion for solving the stability and solubility problems of therapeutic proteins

Author: Lee Eui Nam; Kim Young Mok; Lee Hye Ja; Park Sang Woo; Jung Han Young; Lee Jae Myun; Ahn Yong-Ho; Kim Jongsun (Reprint)

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Journal: Pharmaceutical Research (Dordrecht) 22 (10): p 1735-1746 OCT 2005 2005

ISSN: 0724-8741

Document Type: Article

Record Type: Abstract

Language: English

5/3/2 (Item 1 from file: 73) Links

Fulltext available through: custom link USPTO Full Text Retrieval Options

EMBASE

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13361272 **EMBASE No:** 2005430023

Stabilizing peptide fusion for solving the stability and solubility problems of therapeutic proteins

Eui N.L.; Young M.K.; Hye J.L.; Sang W.P.; Han Y.J.; Jae M.L.; Ahn Y.-H.; Kim J.

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Pharmaceutical Research (PHARM. RES.) (United States) 2005, 22/10 (1735-1746)

CODEN: PHREE **ISSN:** 0724-8741

Document Type: Journal ; Article

Language: ENGLISH **Summary Language:** ENGLISH

Number Of References: 46

? s (peptide adj T7A) or (T7 (2n) (10A or 10b) (2n) protein)
 0 PEPTIDE ADJ T7A
 47200 T7
 59637 10A
 28691 10B
 10042663 PROTEIN
 25 T7 (2N) (10A OR 10B) (2N) PROTEIN
 S6 25 S (PEPTIDE ADJ T7A) OR (T7 (2N) (10A OR 10B) (2N) PROTEIN)

? s (peptide (w) T7A) or (T7 (2n) (10A or 10b) (2n) protein)
 1864329 PEPTIDE
 479 T7A
 2 PEPTIDE (W) T7A
 47200 T7
 59637 10A
 28691 10B
 10042663 PROTEIN
 25 T7 (2N) (10A OR 10B) (2N) PROTEIN
 S7 26 S (PEPTIDE (W) T7A) OR (T7 (2N) (10A OR 10B) (2N) PROTEIN)

? rd
 >>>W: Duplicate detection is not supported for File 391.
 Records from unsupported files will be retained in the RD set.
 S8 12 RD (UNIQUE ITEMS)

? s s8 and ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR INCREASE OR INCREASED))
 Processing
 Processing
 12 S8
 321887 SOLUBILITY
 224550 FOLDING
 1397956 IMPROVE
 2108784 IMPROVED
 2075046 ENHANCED
 710693 ENHANCE
 6134719 INCREASE
 8691923 INCREASED
 27407 ((SOLUBILITY OR FOLDING) (3N) (((((IMPROVE OR IMPROVED) OR ENHANCED) OR ENHANCE) OR INCREASE) OR INCREASED)
 S9 0 S S8 AND ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR INCREASE OR INCREASED))

?
 ?
 ? S S8 AND ((SOLUBILITY OR FOLDING))
 12 S8
 321887 SOLUBILITY
 224550 FOLDING
 S10 1 S S8 AND ((SOLUBILITY OR FOLDING))

? t s10/medium

10/3/1 (Item 1 from file: 357) [Links](#)

Fulltext available through: [ScienceDirect](#)

Derwent Biotech Res.

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0332563 DBA Accession No.: 2004-04855 PATENT

Enhancing the solubility of, and promoting the adoption of native conformation in a recombinantly expressed

polypeptide comprises expressing the polypeptide as a fusion protein with a charged N- or C-terminal extension recombinant protein production via plasmid expression in host cell for solubility and adoption promotion

Author: FREIMUTH P I; ZHANG Y; HOWITT J A

Patent Assignee: FREIMUTH P I; ZHANG Y; HOWITT J A 2003

Patent Number: US 20030134352 **Patent Date:** 20030717 **WPI Accession No.:** 2003-897262 (200382)

Priority Application Number: US 37243 **Application Date:** 20020104

National Application Number: US 37243 **Application Date:** 20020104

Language: English

? s (protein or polypeptide or peptide) (5n)((insolubility or inclusion)(3n) (decrease or decreased or reduced or reduce lower))

Processing

Processing

Processing

10042663	PROTEIN
464759	POLYPEPTIDE
1864329	PEPTIDE
6636	INSOLUBILITY
477790	INCLUSION
2841033	DECREASE
3974853	DECREASED
4521259	REDUCED
0	REDUCE LOWER

S11 129 S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N)((INSOLUBILITY OR INCLUSION)(3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE LOWER))

? S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N)((INSOLUBILITY OR INCLUSION)(3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE or LOWER))

Processing

Processing

Processing

10042663	PROTEIN
464759	POLYPEPTIDE
1864329	PEPTIDE
6636	INSOLUBILITY
477790	INCLUSION
2841033	DECREASE
3974853	DECREASED
4521259	REDUCED
1433685	REDUCE
5033071	LOWER

S12 161 S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N)((INSOLUBILITY OR INCLUSION)(3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER))

?

? S S12 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY or carboxyl) (W) TERMINAL) OR C-TERMINAL)(3N) (EXTENSION OR TAIL))

161	S12
1864329	PEPTIDE
464759	POLYPEPTIDE
293413	CARBOXY
161811	CARBOXYL
1558562	TERMINAL
148550	((CARBOXY OR CARBOXYL) (W) TERMINAL
8200	C-TERMINAL
673097	EXTENSION
324361	TAIL

8925 (((PEPTIDE OR POLYPEPTIDE) OR (CARBOXY OR CARBOXYL) (W) TERMINAL) OR C-TERMINAL)(3N) (EXTENSION OR TAIL)

S13 0 S S12 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL) OR C-TERMINAL)(3N) (EXTENSION OR TAIL))

? d s

Set	Items	Description
S1	1651	S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (3N) ((SOLUBILITY OR FOLDING)(3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR INCREASE OR INCREASED))
S2	4	S S1 AND ((PEPTIDE OR POLYPEPTIDE OR (CARBOXY\$2 ADJ TERMINAL) OR C-TERMINAL)(3N) (EXTENSION OR TAIL))
S3	4	S S1 AND ((PEPTIDE OR POLYPEPTIDE OR (CARBOXY\$2 (W) TERMINAL) OR

C-TERMINAL) (3N) (EXTENSION OR TAIL))
S4 4 S S1 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL)
OR C-TERMINAL) (3N) (EXTENSION OR TAIL))
S5 2 RD (unique items)
S6 25 S (PEPTIDE ADJ T7A) OR (T7 (2N) (10A OR 10B) (2N) PROTEIN)
S7 26 S (PEPTIDE (W) T7A) OR (T7 (2N) (10A OR 10B) (2N) PROTEIN)
S8 12 RD (unique items)
S9 0 S S8 AND ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR
ENHANCE OR INCREASE OR INCREASED))
S10 1 S S8 AND ((SOLUBILITY OR FOLDING))
S11 129 S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N)
(DECREASE OR DECREASED OR REDUCED OR REDUCE LOWER))
S12 161 S (PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N)
(DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER))
S13 0 S S12 AND ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL)
OR C-TERMINAL) (3N) (EXTENSION OR TAIL))

? S s 7 and ((PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N)
(DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER)))

Processing
Processing
Processing

6 S 7
10042663 PROTEIN
464759 POLYPEPTIDE
1864329 PEPTIDE
6636 INSOLUBILITY
477790 INCLUSION
2841033 DECREASE
3974853 DECREASED
4521259 REDUCED
1433685 REDUCE
5033071 LOWER
161 ((PROTEIN OR POLYPEPTIDE) OR PEPTIDE) (5N) (INSOLUBILITY OR
INCLUSION) (3N) (((DECREASE OR DECREASED) OR REDUCED) OR REDUCE) OR LOWER)
S14 0 S S 7 AND ((PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR
INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER)))

?
? S S7 AND ((PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR INCLUSION) (3N)
(DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER)))

Processing
Processing
Processing

26 S7
10042663 PROTEIN
464759 POLYPEPTIDE
1864329 PEPTIDE
6636 INSOLUBILITY
477790 INCLUSION
2841033 DECREASE
3974853 DECREASED
4521259 REDUCED
1433685 REDUCE
5033071 LOWER
161 ((PROTEIN OR POLYPEPTIDE) OR PEPTIDE) (5N) (INSOLUBILITY OR
INCLUSION) (3N) (((DECREASE OR DECREASED) OR REDUCED) OR REDUCE) OR LOWER)
S15 0 S S7 AND ((PROTEIN OR POLYPEPTIDE OR PEPTIDE) (5N) ((INSOLUBILITY OR
INCLUSION) (3N) (DECREASE OR DECREASED OR REDUCED OR REDUCE OR LOWER)))

?

? s ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL))

1864329 PEPTIDE
464759 POLYPEPTIDE
293413 CARBOXY
161811 CARBOXYL
1558562 TERMINAL
148550 (CARBOXY OR CARBOXYL) (W) TERMINAL
8200 C-TERMINAL
673097 EXTENSION
324361 TAIL

S16 8925 S ((PEPTIDE OR POLYPEPTIDE OR ((CARBOXY OR CARBOXYL) (W) TERMINAL) OR C-TERMINAL) (3N) (EXTENSION OR TAIL))

? S S16 AND ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR INCREASE OR INCREASED))

Processing

8925 S16
321887 SOLUBILITY
224550 FOLDING
1397956 IMPROVE
2108784 IMPROVED
2075046 ENHANCED
710693 ENHANCE
6134719 INCREASE
8691923 INCREASED

27407 ((SOLUBILITY OR FOLDING) (3N) (((((IMPROVE OR IMPROVED) OR ENHANCED) OR ENHANCE) OR INCREASE) OR INCREASED))

S17 11 S S16 AND ((SOLUBILITY OR FOLDING) (3N) (IMPROVE OR IMPROVED OR ENHANCED OR ENHANCE OR INCREASE OR INCREASED))

? rd

>>>W: Duplicate detection is not supported for File 391.

Records from unsupported files will be retained in the RD set.

S18 4 RD (UNIQUE ITEMS)

? t s18/medium/all

18/3/1 (Item 1 from file: 5) [Links](#)

Fulltext available through: [custom link](#) [USPTO Full Text Retrieval Options](#)

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18652161 Biosis No.: 200510346661

Stabilizing peptide fusion for solving the stability and solubility problems of therapeutic proteins

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Effects of carboxyl-terminal truncations on the activity and solubility of human monoamine oxidase B

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0344526 **DBA Accession No.:** 2004-16818 **PATENT**

Natriuretic compound conjugate useful in the treatment of e.g. congestive heart failure, comprises natriuretic compound and at least one modifying moiety natriuretic peptide evaluation for disease therapy

Author: JAMES K D; RADHAKRISHNAN B; MALKAR N B; MILLER M A; EKWURIBE N N

Patent Assignee: NOBEX CORP 2004

Patent Number: WO 200447871 **Patent Date:** 20040610 **WPI Accession No.:** 2004-450218 (200442)

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